| I 43986-66 EWP(e)/EWT(m) WH ACC NR. AP6030594 (A, N) SOURCE CODE: UR/0413/66/000/016/0081/0081 INVENTOR: Botvinkin, O. K.; Demichev, S. A.; Naydenov, A. P. ORG: none TITLE: Glass. Class 32, No. 185023. [announced by Saratov Branch of the State Scientific-Research Institute of Glass (Saratovskiy filial Gosudarstvennogo nauchnoissledovatel'skogo instituta stekla)] SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 81 TOPIC TAGS: heat resistant glass, aluminoborosilicate glass, acid resistant glass ABSTRACT: This Author Certificate introduces the following glass formulation (in X by wt): 61-64 S102; 3-5 A1203; 14-16 B203, 8-10.5 Zr02, and 7-8 Na20.5 The glass has increased thermal stability and acid resistance. [JK] SUB CODE: 11/ SUBM DATE: 10May65/ ATD FRESS: 507/ | 2170) 264 BC | THE PORT OF THE PROPERTY OF TH |
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| ORG: none TITLE: Glass. Class 32, No. 185023. [announced by Saratov Branch of the State Scientific-Research Institute of Glass (Saratovskiy filial Cosudarstvennogo nauchnoissledovatel'skogo instituta stekla)] SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 81 TOPIC TAGS: heat resistant glass, aluminoborosilicate glass, acid resistant glass ABSTRACT: This Author Certificate introduces the following glass formulation (in 7 by wt): 61-64 SiO ₂ ; 3-5 Al ₂ O ₃ ; 14-16 B ₂ O ₃ , 8-10.5 ZrO ₂ , and 7-8 Na ₂ O ₂ D The glass has increased thermal stability and acid resistance. SUB CODE: 11/ SUBM DATE: 10May65/ ATD FRESS: 507/ | [| |
| TITLE: Glass. Class 32, No. 185023. [announced by Saratov Branch of the State Scientific-Research Institute of Glass (Saratovskiy filial Cosudarstvennogo nauchno-issledovatel'skogo instituta stekla)] SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 81 TOPIC TAGS: heat resistant glass, aluminoborosilicate glass, acid resistant glass ABSTRACT: This Author Certificate introduces the following glass formulation (in Z by wt): 61-64 SiO ₂ ; 3-5 Al ₂ O ₃ ; 14-16 B ₂ O ₃ , 8-10.5 ZrO ₂ , and 7-8 Na ₂ O ₁ D The glass has increased thermal stability and acid resistance. [JK] SUB CODE: 11/ SUBM DATE: 10May65/ ATD FRESS: 507/ | | INVENTOR: Botvinkin, O. K.; Demichev, S. A.; Naydenov, A. P. |
| Scientific-Research Institute of Glass (Saratovskiy 1711ar observed issledovatel'skogo instituta stekla)] SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 81 TOPIC TAGS: heat resistant glass, aluminoborosilicate glass, acid resistant glass ABSTRACT: This Author Certificate introduces the following glass formulation (in % by wt): 61-64 SiO2; 3-5 Al2O3; 14-16 B2O3, 8-10.5 ZrO2, and 7-8 Na2O.D The glass has increased thermal stability and acid resistance. [JK] SUB CODE: 11/ SUBM DATE: 10May65/ ATD FRESS: 507/ | | |
| SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 81 TOPIC TAGS: heat resistant glass, aluminoborosilicate glass, acid resistant glass ABSTRACT: This Author Certificate introduces the following glass formulation (in %%%% by wt): 61-64 \$102; 3-5 Al203; 14-16 B203, 8-10.5 Zr02, and 7-8 Na20.0 The glass has increased thermal stability and acid resistance. [JK] SUB CODE: 11/ SUBM DATE: 10May65/ ATD FRESS: 507/ | | TITLE: Glass. Class 32, No. 185023 [announced by Saratov Branch of the State |
| SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 81 TOPIC TAGS: heat resistant glass, aluminoborosilicate glass, acid resistant glass ABSTRACT: This Author Certificate introduces the following glass formulation (in %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% | | issledovatel'skogo instituta stekla)] |
| % by wt): 61—64 SiO ₂ ; 3—5 Al ₂ O ₃ ; 14—16 B ₂ O ₃ , 8—10.3 ZiO ₂ , and 7 O IO ₂ O ₃ glass has increased thermal stability and acid resistance. SUB CODE: 11/ SUBM DATE: 10May65/ ATD FRESS: 507/ | | SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 81 TOPIC TAGS: heat resistant glass, aluminoborosilicate glass, acid resistant glass |
| unc: 666.113.831. 4'623'284'273-31'33 | | 51 64 StO 3 3-5 AlaOa: 14-16 BaOa, 6-10.5 210, and 7 5 122 |
| UDC: 666.113.831. 4'623'284'273-31'33 | | SUB CODE: 11/ SUBM DATE: 10May65/ ATD FRESS: 507/ |
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DEMICHEV, V. F. and PROKHOROV, Yu. G.

"Investigation of the Neutron Emission Arising in a Gaseous Discharge with a Current of 160 KA." (Work carried out in 1957); pp. 81-86.

"The Physics of Plasmas; Problems of Controlled Thermonuclear Reactions." Vol. IV. 1958, published by Inst. Atomic Energy, Acad. Sci. USSR. resp. ed. M. A. Leontovich, editorial work V. I. Kogan.

Available in Library.

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| | | Reports presented at the 5th Intl. Confreeder on Leminston Remonnts in Garce. Parith, 28 August - 1 September 171. a. G. <u>Paritevians</u> A H <u>Advisory</u> VF <u>Peritery</u> and V I <u>Vasilley</u> "Invertigation of a Pulse Eleming in a Bollow Cylindrical Ges Elemen" | b. B G <u>Preting</u> v in S Mikatedy "Dierry Resembning of Fast Mechanic Faired During a Poverbil Pilling "Hanning" Chinber | c. A B Berestin, A H Imple), and G H Malysher "On a Hathal of Creekshing parks investigation of the Hollange Coulog balls interactions" | d. V Filtayers 3 H 5039304 "On the Hylerges Indea Prondrates Under the Carton Am and Deto etlena News Goodfidens" | e. S G Allkhangy R A restraints, A V Krain, G G Poalestry, G L SOCIEVEROY As Investigation of Places Distriction in the Place | 1. V S Karaling, Tu V Skvortsov V Klareshöhenda S 3 Ingrevitinger Typemics Couract Cord" | 8, I B Evision *A postunessyfeally Staded State of Cours Fallandez the Deteration Yard | h. S r <u>nin,</u> te S <u>Solovyev^{H V} Erlandia</u> Polecular Palsojen Imistica dy Cua Ugingen Atoma" | 1. I P <u>Plais</u> , G H <u>Courtag</u> v "Jonization of Comes Induced by Juliet-ethrical Tons" | 3. P 11 interior, L W Filtrains The Comes for litherdus Hibrogen June Formation at the Cyre Beries" | k. A I betatchenks V V Viscolary B Franchov H H Ellings - Injection of en Irale Som into the Cyte Physicia Truy" | lay ye Yuradova Man manadal Participes of Particles from a Compar Single Cr. Add | systemat by probordinant vata Lina". | | | |
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ACCESSION NR: AT4025319

8/0000/63/000/000/0274/0282

AUTHORS: Prokhorov, Yu. G.; Demichev, V. F.; Matyukhin, V. D.

TITLE: Measurement of time variation of plasma energy

SOURCE: Diagnostika plazmy* (Plasma diagnostics); sb. statey. Moscow, Gosatomizdat, 1963, 274-282

TOPIC TAGS: plasma research, plasmoid, plasma source, plasma temperature, discharge plasma, plasma heating

ABSTRACT: A system, called "thermal probe," has been developed to measure the time variation of plasma energy. It consists of a platinum foil 6 microns thick, heated electrically to 1,000--1500°, the incandescence of which is registered by a photomultiplier with maximum sensitivity in the red part of the spectrum (near 7,000 Å). The spectral sensitivity of the foil-plus-photomultiplier system, with the foil electrically heated, is sufficient for the registration of

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a slight change in the foil temperature such as is produced by the heating of the plasma. The instrument is calibrated by discharging a capacitor through the foil. The thermal probe was used to measure the plasma energy in slow (millisecond) and fast (microsecond) processes, as well as to estimate the efficiency of thermal insulation of the plasma column in a toroidal system with longitudinal magnetic field ("Tokamak"). It was also used to measure the energy of fast plasmoids obtained with the aid of a coaxial plasma gun. In the latter case such a measurement is preferable because the usual calorimetric method determines only the integral energy of the plasmoids occurring in one discharge, without giving the energy in individual plasmoids. The use of the thermal probe in conjunction with other methods (electric probe, millimeter waves transmitted through the plasma, etc.) makes it possible to determine a large number of parameters of plasmoids produced in a single discharge. Another feature of the apparatus is that there is no direct electric connection between the plasma and the recording apparatus, which can

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ACCESSION NR: AT4025319

be located away from the plasma. The thermal probe can also be used in chambers with high initial vacuum. Orig. art. has: 6 figures, 3 formulas, and 1 table.

ASSOCIATION: Mone

SUBMITTED: 190ct63 DATE ACQ: 16Apr64 ENCL: 03

SUB CODE: ME NR REF SOV: 000 OTHER: 000

Studying the properties of fast moving plasma clots. Dokl. AN SSSR 150 no.2:279-282 My 163. (MIRA 16:5)

1. Predstavleno akademikom L.A. Artsimovichem. (Plasma (Ionized gases))

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L 10178-63 EWT(1)/EDS/EEC(b)-2/ES(w)-2-AFFTC/

ASD/ESD-3/AFWL/SSD-Pab-4--IJP(C) ACCESSION NR: AP3000744

s/0020/63/150/003/0523/0526

AUTHOR: Demichev, V. F.; Strunnikov, V. M.

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TIME: Interaction of high-density plasmoids with magnetic fields

SOURCE: AN SSSR. Dokludy, v. 150, no. 3, 1963, 523-526

TOPIC TAGS: confinement of hot plasma, injection of plasma, plasma-magnetic field, interaction

ABSTRACT: The interaction of a plasma jet with a magnetic field and the collision of such a jet with a wall produced by a strong transverse magnetic field have been investigated. The penetration velocity of the plasma jet through a magnetic barrier was measured by the spectroscopic method and with magnetic sondes. The total energy penetrating through the barrier and the radial distribution of energy density in the jet were determined for different values of H sub 0 by the calorimetric method. The measurements showed that at H = 18 koe only 30% of the initial energy penetrates through the barrier, as a result of the deceleration of particles entering the increasing field and the

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reflection of a portion of the plasma jet from the barrier. Experiments showed that the barrier transparency despends on H and its gradient with respect to distance. At equal H sub max values, the barrier with the higher gradient is less transparent. The radial distribution of energy density differs in that for a lower gradient there is a higher energy density near the axis. The distribution of ion density n sub i along the axis of the magnetic field shows that at H = 6 kee the concentration of ions in the jet increases more than 10 times in comparison to the concentration at H = 0. At H = 24 koe this ratio increases to about 30 (n sub i is approximately equal to 6.10 sup 16 cm sup -3). The condition for deep penetration of the plasma jet into the magnetic field is a sup 2 sub 0/L sup 2 x H sup 2/4 PI Rho sub 0 v sup 2 sub 0 is less than 1, where a sub 0 is the initial radius of the jet, L is the length of the growing-field region, and Rho sub 0 is the initial density of the plasma. Under the conditions of this particular experiment the inequality reduces to the following: H sup 2 sub max/4 PI Rho sub 0 v sup 2 sub 0 is less than 50. However, penetration was observed even at a ratio of approximately 150 -- 200. This deviation is explained by the fact that in obtaining the inequality optimum conditions were assumed; in particular, finite conductivity was not taken into

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ACCESSION NR: AP3000744

account. Investigations of the collision of a plasma jet with a magnetic wall produced by a transverse field revealed that even at very small values for the ratio, plasma can penetrate through the field, even though theoretically a total reflection of plasmi from the field should occur. conclusion the authors express their sincere gratitude to Academician L. A. Artsimovich, Doctor of Physics and Mathematics A. M. Andrianov, and O. A. Fazilevskaya for their many valuable suggestions during the conduct of the experiments and consideration of the results." Orig. art. has: 4 figures and 3 formulas.

ASSOCIATION: none

SUBMITTED: 300ct62

DATE ACQ: 21Jun63

ENCL:

SUB CODE: 00

NO REF SOV: 003

Card 3/3

I 40698-65 EPF(n)-2/EPA(w)-2/ENT(1)/EMG(m) P1-4/Po-4/Pz-6/Pab-10 IJP(c) AT/
AN
ACCESSION NR: AT5006202 B/3136/64/000/587/0001/0028

AUTHOR: Demichev. V. F.
ALL

TITLE: Study of the properties of fast plasmeids

ECURCE: Moscow. Institut atomoy energia. Hoklady, no. 587, 1964. Izucheniye evoyaty byatro dvizhushchikhaya pluzmennykh agustkov; otchet, 1-28

10PIC TAGS: plasma density, plasma velocity, plasma momentum, plasma particle, plasma energy, injection

ABSTRACT: The article deals with experiments on the properties (velocity, energy, and momentum) of plasmoids produced in an electrodynamic injector of the coaxial type. The injector was of the type described by D. Marshall (Physics of Fluids v. 3, 134, 1960), 24 cm long, with inside and outside diameters 32 and 75 mm, respectively. The injector construction and operation are described. The plasmoid longitudinal velocity was measured by several methods (magnetic probe, measurement of diamagnetic properties of the plasma, photomultipliers). The energy was measured by a calorimetric method. The integral momentum of the plasmoid was determined by measuring the initial speed of a ballistic pendulum (deep cylindrical

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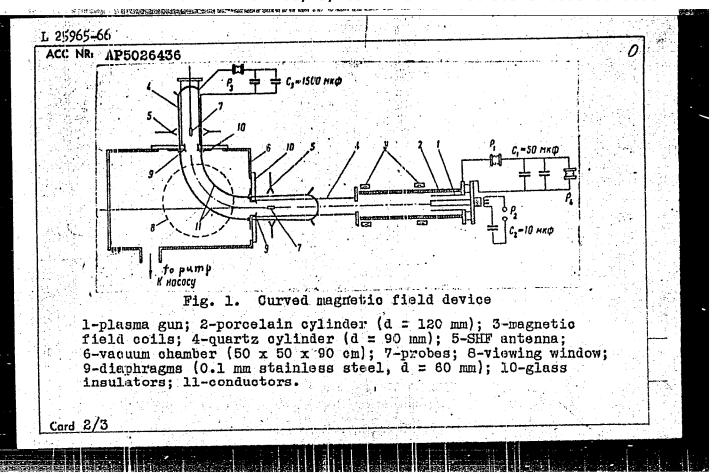
vessel moving together with the caldrimeter). The composition of the plasma was determined by a spectroscopic method. The energy loss due to the interaction between the plasmoids and the metallid surfaces of the apparatus was estimated by a culorimetric method. When working with hydrogen and deuterium, the attainable plisms speed could be varied between 2 x 110 and 8 x 107 cm/sec by varying the initial voltage or pressure of the injector or by varying the delay time. As a rule, two plasmoids were produced in each injection, the first several times faster than the second. In some cases the first plasmid split into two, the front section carrying an appreciable fraction of the energy. The maximum plasmoid energy produced in one discharge exceeded 2000 J, and the maximum attainable momentum reached 2000 dyne-sec. The plasmoid dimensions could reach 20 x 100 cm, and the density could be varied from 1013 to 5 x 1015 cm-3. The number of particles in the plasmovid could reach 2 x 1019 and their conductivity reached 1014 cgs esu. Not all the energy was transferred to the walls in the case of plasma-metal interaction, emergy reflection similar to a shock wave taking place, reaching 75% of the incident energy under some conditions. I thank L. A. Artsimovich and A. M. Andrianov for continuous interest in the work and for munisrous discussions of the results, and V. D. Matyukhin for taking part in some of the experiments." Orig. art. has: 12 figures, 2 formulas, and 2 tables.

Card 2/3

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IJP(c) EWT(1)/ETC(f)/EPF(n)-2/EWG(m)UR/0089/65/019/004/0329/0335 ACC NR. AP5026436 BOURCE CODE: AUTHOR: Demichev, V. F.; Matyukhin, V. D.; Nikologorski Strunnikov. V. M. ORG: None TITIE: Plasma bent in curved magnetic field SOURCE: Atomnaya energiya, v. 19, no. 4, 1965, 329-335 TOPIC TAGS: plasma electromagnetics, plasma dynamics, plasma density, ABSTRACT: One of the aseful techniques for purifying plasma bursts is to use a curved magnetic field for removal of impurities. After a brief discussion of methods employed, the authors describe their experiments with a plasma moving around a 90° bend in a curved quadrupole field formed by a system of four parallel conductors. This device was proposed to the authors by L. A. Artsimovich. Its arrangement is schematically shown on Fig. 1 (card 2/3). Two 30 cm long guide fields are interconnected by a bent field with a curvature radius R = 30 cm. The magnetic system is fed from the capacitor bank of 1500 microfarads. The plasma was produced by a coaxial electrodynamic gun. The greatest field intensity in the slit between conductors was 6 kilooersted. The maximum front velocity attained a rate of 107 cm/sec while the velocity



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of central jet was 8 x 106 cm/sec at the maximum density of about 2 x 1015 cm⁻³. The velocity of the most compressed part of the plasma at leaving the magnetic system, was 7 x 106 cm/sec. In spite of losses (through slits) the concentration of ions after the bend reached 2 x 1014 cm⁻³. The total number of particles was about 1017. The results of the experiments proved that the neutral gas was completely eliminated and a pure ionized plasma was practically obtained. An optimal value for the magnetic field intensity H of about 3 kee was reached. The variations of numbers of ions, of their concentration and distribution as well as of the plasma densities were illustrated in 7 graphs for various values of H. The authors express their gratitude to L. A. Artsimovich for his initial suggestion, continuous assistance and discussion of results. They thank also A. M. Andrianov for his continuous interest shown in their work. Orig. art. has: 2 diagrams, 7 graphs and 1 formula.

SUB CODE: 20 / SUBM DATE: 20Feb65 / ORIG REF: 008 / OTH REF: 004

Card 3/3 FW

DEMICIEVA, A. F.

Rudenko, Ye. I. and <u>Demicheva, A. P.</u> - "On the question of the ability of the Tinak mud lake to prolong life", Trudy Astrakh. gos. med. in-ta, Vol. IX, 1949, p. 35-40.

So: U-3042, ll March 53, (Letopis 'Zhurhal 'nykh Statoy, No. S, 1949).

DEMICHEVA D.M.

D'YAKONOVA, A., tkachikha Shuyekoy Ob^ayedinennoy fabriki; STOLBUNOV, S.N.,
inzhener, konsulitant; DEMICHEVA, D., redaktor; MAIEK, Z., tekhnicheskiy redaktor.

[School at the loom] Shkola u stanka, [Moskva] Izd-vo V7eSPS Profizdat, 1953. 57 p.

(Weaving)

OVCHAROVA, A.; DROZHZHINA, K.; KABANOV, N.Ya., konsul'tant; DEMICHE-VA, D., redaktor; MALEK, Z., tekhnicheskiy redaktor.

[A high aim] Bol'shaia tsel'. Moskva, Profizdat, 1953. 62 p.

1. Wachal nik otdela truda i sarplaty 1-go GPZ im.L.M.Kagano-vicha(for Kabanov) 2. Rabotnitsa 1-go Gosudarstvennogo pod-shipnikovogo savoda im. L.M.Kaganovicha (for Ovcharova, Drozhshina) (Efficiency, Industrial) (Bearings(Machinery)) (MLRA 7:8)

IVANOVA, Yeinterina Ivanova; DEMICHEVA, D.M., redaktor; KIRKAHOVA, H.A., tekhnicheskiy redaktor

[In the name of a great purpose] Vo imia hol'shoi teeli. [Moskva]
Izd-vo VTsSPS Profizdat, 1954. 55 p.

(Taxtile industry)

(Taxtile industry)

PAVIOV, A.; DEVICERAL Projector; RAKOV, S.I., tekhnicheskiy redaktor.

[Textiles made of staple fiber on automatic looms.] Shtapel'nye tkani na avtomatakh.[Moskva] Izd-vo VTeSPS Profizdat, 1954.

71p.

(Textile industry)

LEYCHENKO, Konstantin Petrovich; DEMICHEVA, D.M., redaktor; RAKOV, S.I.
tekhnicheskiy redaktor

[Ewery minute is counted] Schet idet na minuty.[Moskva] Ind-vo
VTsSPS Profisdat, 1955. 41 p. (MLRA 8:10)

(Steel industry)

MEDVEDEV, Ivan Aleksandrovich; DEMICHEVA, D.M., redaktor; KIRSANOVA, H.A., tekhnicheskiy redaktor

[Twenty five years in a machine shop] 25 let u stanka. [Moskva] Indvo VTsSPS profinat, 1955. 69 p. (MLRA 9:1)

1. Shlifovshchik Moskovskogo instrumental'nogo zavoda (for Medvedav)
(Maching-shop practice)

EVEREV, Ivan Andreyevich, strsgal'shchik; MOKROUSOV. Ivan Ivanevich, rastechnik; DEMICHEVA, D.W., redakter; KIESAHOVA, W.A., tekhnicheskiy redakter.

[Work practice with planing and bering machines] Ogyt rabety nastregal'nem i rastechnem etankakh. Neskva, Isd-ve VTeSPS Prefixdat, 1955. 95 p.

[Work practice with planing and bering machines Prefixdat, 1955. 95 p.

[WIEA 9:4)

L.Voroneshskiy machinestroitel'nyy savod imeni Kalinina (for Everev. Mokrousov).

(Planing machines) (Drilling and boring machinery)

DEMICHEVA, L.I.

Vysokie urozhai arbuzov; opyt kolkhoza "Bor'ba za urozhai" Berezovskogo raiona Stalingr. oblasti (High watermelon yields; experience of the "Bor'ba za urozhai" Collective Farm, Berezovskaya District, Stalingrad Province). Moskva, Selkhazgiz, 1954. 13 p.

SO: Monthly List of Russian Accessions, Vol 7, No 9, Dec 1954

| MA | Element, B.F., E.O., Philiphilat. The Problem of Shifts Compounds on the Auto of Deparatimation With Carbonides on the Auto of Deparatimation With Carbonides. PAGE III. MEMORY. B.F. Bemore. The Todynamics of Bending-indicating Compounds Exemploys, R. E., B. B. Heylmove, O.D. Calipara. of Allyl Aryl Shiftdes and Allyl Aryl Shiftons. Time-Envoicement, I.E., T.A. Danilors. Synthesis and Alminous Derivatives of Twirelin in the Presence Alminous Illenta Catalyst Card 6/10 | | 11(4) Machine semorganichystik sopydismiy, as affeyroakran); le saffeyroakran); le saffeyroakran; le saffeyroay; le |
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MATVEYEV, A.A.; KOTLYAROVA, C.S.; LAVRENT'YEVA, A.V.; AVDYUNIN, N.I.;

KRASITSKAYA, A.I.; DEMICHEVA, M.A.;

Quality of students' knowledge in chemistry. Khim. v shkole 17 no.2:
91-94 Mr-Ap '62.

(Chemistry-Study and teaching)

DZHAVROVA, I.K.; ANTONKIN, E.; BRYNZOVA, Z.; DEMICHEVA, N.; ZERENKOVA, L.; PARASOVA, V.; YANKEVICH, G.

Gomparative evaluation of various media for determining the togigénic properties of diphtheria bacilli in vitro. Lab. delo 6 no.4:48 J1-Ag 160. (MIRA 13:12)

1. Kafedra mikrobiologii Smolenskogo meditsinskogo instituta.
(BACTERIOLOGY—CULTURES AND CULTURE MEDIA) (DIPHTHERIA)

DEMICHEVA, O. D.

USSR/Chemistry - Soda Production

Card 1/1

Author : Legenchenko, I. A. Cand Chem Sci, and Demicheva, O. D.

Title : Experimental work on the development of a process for the purification of the brine at a soda plant.

Periodical : Khim. prom. 3, 31-33 (159-161), April-May 1954

Abstract : Describes development and pilot-plant work on the purification of sodium chloride solutions with calcium hydroxide and soda. Illustrated by 1 figure. Data are listed in 1 tables. 1 USSR reference is given.

DEMICHEVA, V.I.

Registration and structure of skin diseases in the Crimea from 1956 to 1961. Vest. derm. i ven. 37 no.2266-70 F.63.

(MIRA 16:10)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - dotsent N.I. Metlitskiy) Krymskogo meditsinskogo instituta i Oblastnogo kozhno-venerologicheskogo dispensera (glavnyy vrach M.G. Kochetov).

| L 32965-66 EWP(j)/EWT(m)/T IJP(c) RM | |
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| ACC NR. AP6017603 (A) SOURCE CODE: UR/0183/66/000/001/0029/0031 | |
| AUTHOR: Levin, B. Ya,; Savitskiy, A. V.; Demicheva, V. P. | |
| ORG: Physicotechnical Institute im. A. F. Ioffe AN SSSR (Fiziko-tekhnicheskiy | |
| institut AN UkrSSR) | |
| TITLE: Effect of the degree of stretching on the strength of capron fibers | |
| SOURCE: Khimicheskiye volokna, no. 1, 1966, 29-31 | |
| TOPIC TAGS: synthetic fiber, polyamide, tensile strength, nylon | I . |
| ABSTRACT: The authors study the effect of stretching conditions on the strength of polyamide fibers at liquid nitrogen temperatures. The specimens had minimum initial orientation evaluated from measurments of birefringence. The experimental data show a linear relationship between strength and degree of stretching. Elongation and molecular orientation increase when the stretching temperature is raised. The experimental data prove conclusively that the strength of capron fiber is a function of the degree of stretching alone and is independent of the temperature and the rate at which the orientation stretching is done. The increase in strength properties of the capron takes place in such a way that stretching does not change the breaking load at -196°C reduced to the cross section of the original fiber. This same relationship is observed in specimens of polyethylene and rubber when they are stretched to 400-700%. If the | |
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| ech f s | echanism responsible for this phenomenon were determined, it could explain the perfect that the could explain the could expl | | | | | | | | | | |
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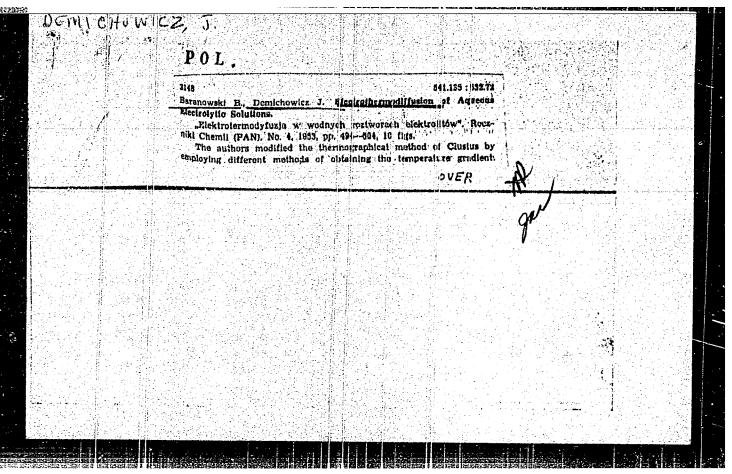
DEMICHE VA, YE. V.

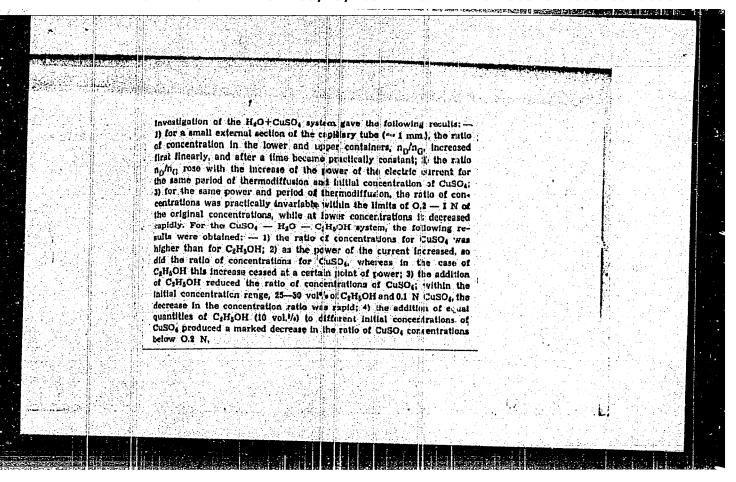
DEMICHEVA E. V.

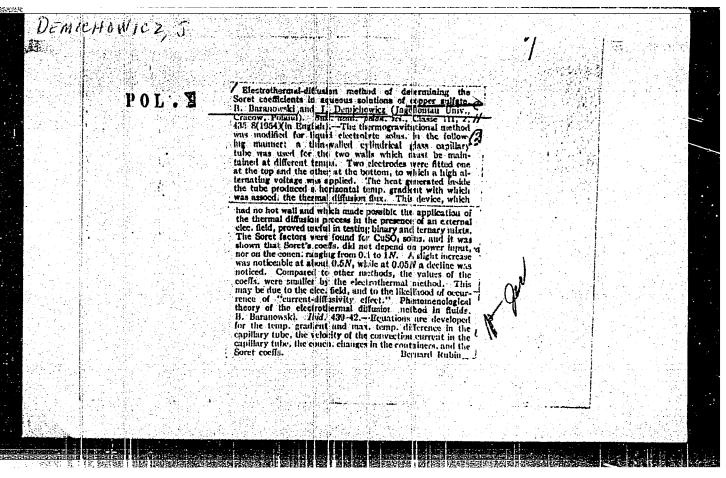
Znachunic proby a amital-natrice dlia razgranichemia rasliohnyida stadii gipertonicheskoi bolesmi. /Significance of the test with amytal-sodium for the determination of various stages of hypertension/ Klin, med., Noskva 216 June 51 p. 16-5.

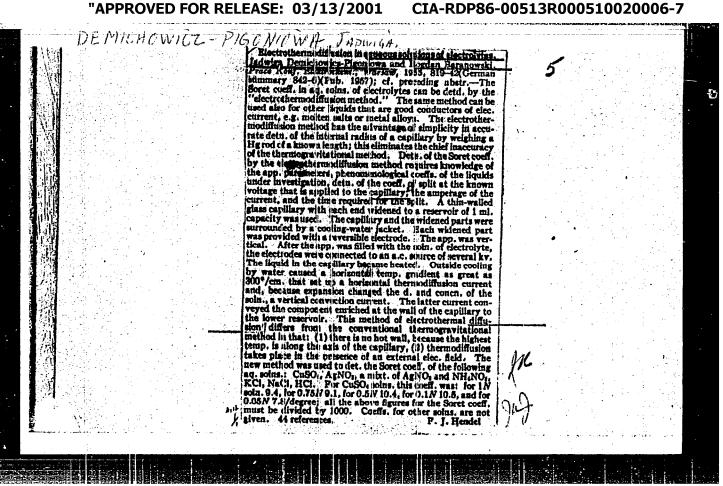
1. Of the Faculty Therapeutic Clinic (Supervisor-Honored Worker in Science Prof. G. F. Lang, Active Member of the Academy of Medical Sciences USSR, deceased; Acting Director of Clinic-Prof. T. S. Istamanova), First Leningred Medical Institute imeni I. P. Pavlov, Leningrad.

| Recent developments in the technology of major track repairs. Put' 1 put. khoz. no.9:16-17 S '58. (MIRA 11:9) |
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| 1. Nachal'nik normativnoy stantsii tresta "Rekput'." (RailroadsTrack) |
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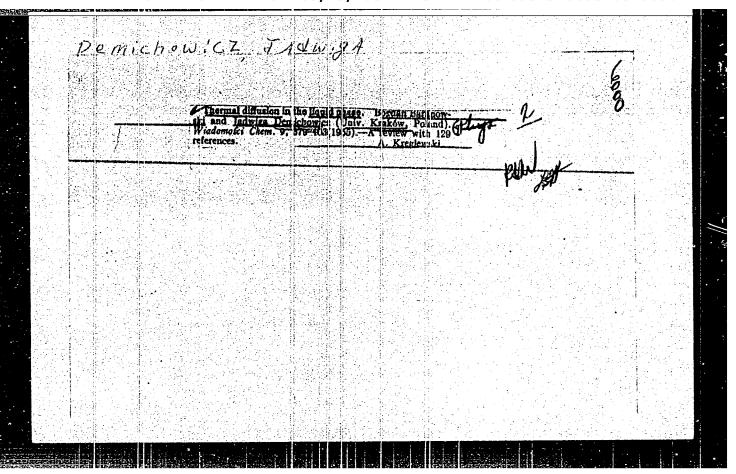
DEMICHOMICZ, J.; BARANOWSKI, B.,

J. DEMICHOMICZ. "Thermal diffusion in the liquid phase." Chemical News, Poland
No. 7-8, July-August 1955

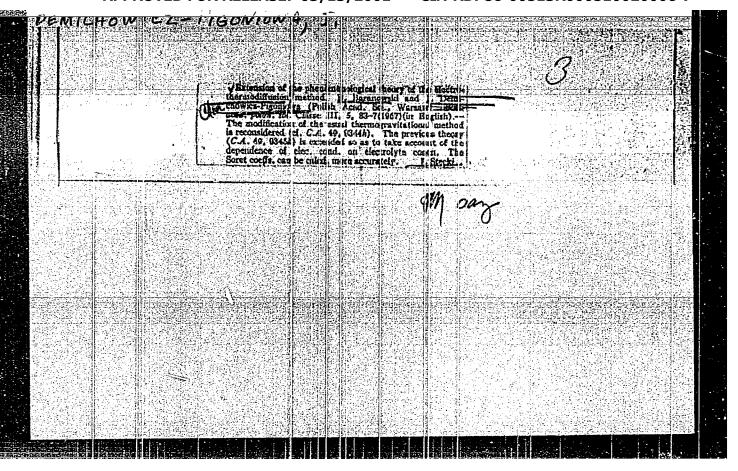
DEMICHOWICZ, J.

Baranowski, B. Determination of Soret coefficients of aqueous CuSO₄ solutions by the electrothermal diffusion method. p. 603.
ROCZNIEI CHEMI, Warszawa, Vol. 29, no. 2/3, 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.



"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000510020006-7



POLAND / Physical Chemistry. Nuclear Chemistry. Isotopes.

B-7

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 76594.

Author: Baranowski, B. and Demichovicz-Pigoniowa, J.

Inst : Not given.

Title : A Phenomenological Theory of the Electrothermal

Diffusion Method.

Orig Pub: Roczniki Chem, 31, No 3, 927-935 (1957) (in

Polish with Russian and English summaries).

Abstract: The theory is developed on the basis of the con-

sideration of the effect of concentration changes on the temperature gradient in the capillary. The results obtained have been used in a new de-

The results obtained have been used in a new determination of the Scrot coefficient for aqueous

Cu sulfato solutions.

Card 1/1

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32

COUNTRY : Poland B-11

CATEGORY :

ABS. JOUR.: AZKhim., No. 1959, No. 85441

AUTHOR : Demichovicz-Pigoniowa, J.

TOST.

TITLE : Viscosity Coefficients of Aqueous Solutions of CdSOn.

OREG. PUB. : Roczn. chem., 1959, 33, No 1, 203-204

ABSTRACT: By means of a precision viscosimeter, determinations were made, at 25°, of viscosity coefficient η of aqueous solutions of CdSO, of concentration from 0 to 5 %. On increase of concentration of the solution η increases from 0.894f to 4.638 c-poises. The values of η obtained for 0.125 - 1.0 N solutions of CdSO, are higher than the previously published data (Wagner I., Z. phys. Chem., 180, 5; 3) by less than 0.01 c-poises. -- B. Kaylan.

CAFD:

DEMICHOWICZ-PIGONIOWA, J.

Temporature dependence of the Soret coefficient for aqueous cadmium sulfate solutions. Bull chim PAN 13 no.1:59-62 '65.

1. Department of Physical Chemistry of Wroclaw Technical University. Submitted November 9, 1964.

DEMICHOWICZ-PIGONIOWA, Jadwiga Electrothermodiffusion in aqueous solutions of CdSO_{ij}. Rocz chemii 34 no.3/4:1185-1187 '60. (EEAI 10:3) 1. Katedra Chemii Fizycznej Politechniki, Wroclaw (Cadmium sulfate) (Solutions) (Water)

DEMICHOWICZ-PIGONIOWA, Jadwiga

Temperature dependence of viscosity of aqueous solutions of cadmium sulfate. Rocz chemii 36 no.11:1677-1681 162.

1. Department of Physical Chemistry, Institute of Technology, Wroclaw.

DEMICHOWICZ-PIGONIOWA, Jadwiga, dr inz., adiunkt

Temperature coefficient of the specific electric conductance of aqueous solutions of cadmium sulfate. Chemia Wroclaw no.10: 93-97 '64.

1. Department of Physical Chemistry of Wroclaw Technical University. Submitted March 1963.

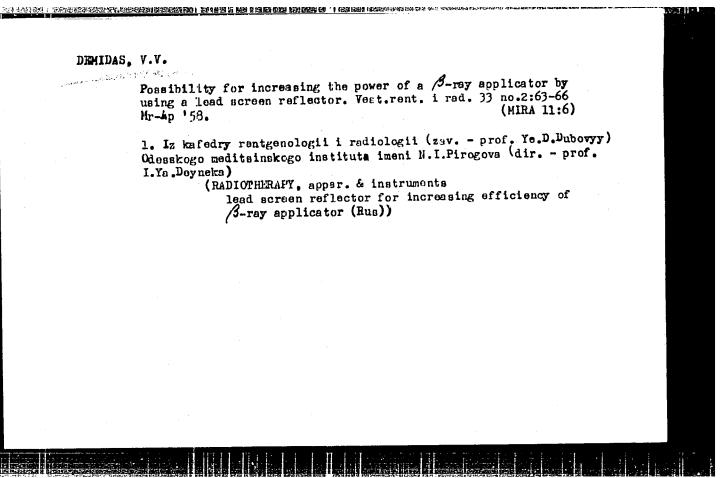
DEMICZ-STYCZYNSKA, Bogumila

AND STATE OF THE PERSON OF THE

A tentative morphologic characteristic of the parasite fly. Acta parasit 8 no.1/7:115-126 *60. (EEAI 9:10)

1. Department of Zoology, Uniwersity of Warszawa. Director: Prof Dr. Zdzislaw Raabe. Author's address: Panstwowy Zaklad Higieny, Zaklad D.D.D. Warszawa, Chocimska 24. (Flies) (Diptera) (Parasites)

U-1 USSR/General Problems of Pathology - Immunity : Ref Zhur - Biol., No. 18, 1958, 84711 Abs Jour : Danicas, V. V. Author No institute is given Institute : : The Influence of Total-Body Irradiation with X-rays Title on the Phagocytic Functions of the Granulocytes : Tr. Vses, konferentsii po med. radiol. Eksper. med. Orig Pub radiol. Moscow, Medgiz, 1957, 178-180 : Within three to six hours following irradiation of Abstract guinea pigs with 200 r, a reduction in the phagocytic activity (PA, or percentage of active phagocytes among the total number of granulocytes counted) of 1.8 times was noted, and a reduction in the phagocytic intensity (PI, or the average of bacteria phagocytosed per leukocyte) of two times was noted. The number of granulocytes (G) increased, while that of lymphocytes (L) decreased. Within 12-24 hours after irradiation there was normalization of the phagocytic function of Card 1/2



DEMIDAS. V.V.; IRZHEVSKAYA, G.I.; LEL'CHITSKIY, V.N., kand.med.nauk

Spontaneous pneumothorsx in infents during the first months
of life. Pediatriia 38 no.11:70-73 N '60. (MIRA 14:2)

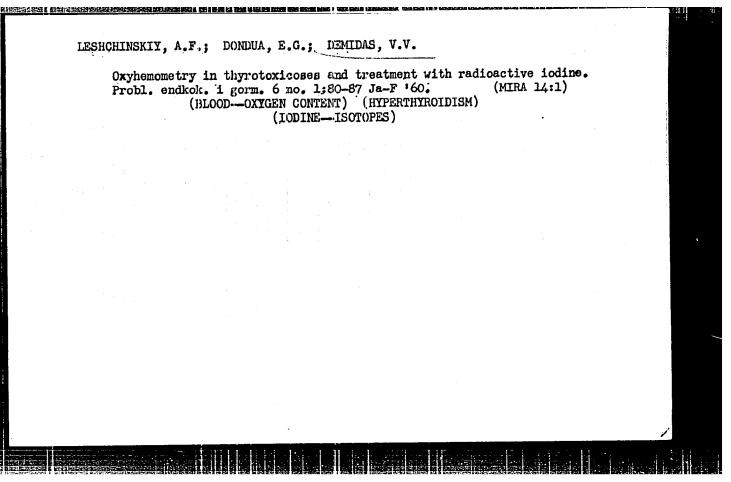
l. Iz kafedry rentgenologii i radiologii (zav. - prof.Ye.D. Dubovyy) kliniki detakikh bolezney lechebnogo fakuliteta (zav. - dotsent V.P. Chrenyuk) Odesskogo meditsinskogo instituta (direktor - prof.I. Ia. Deyneka).

(PHRUMOTHORAX in inf. & child) (HFANT NEWBORN diseases)

DEMIDAS, V. V. Gand Med Sci -- "Observations of the phagocytic function of leucceytes in general X-ray irradiation of the organism. (Experimental study)."

Odessa, 1960 (Min of Health Armenian SSR. Yerevan State Med Inst). (KL, 1-61, 207)

-375-



DUBOVYY, Ye. D., prof.; OKS, A. A., prof; BUCHINSKAYA, M. P.; VOROMENKO, T. V.; DEMIDAS, V. V.; FASTCVSKAYA, R. M. (Odessa)

Treatment of thyrotoxicosis with radioactive iodine. Probl. endok. i gorm. no.6:50-56 61. (MIRA 14:12)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. Ye. D. Dubovyy) i kafedry fakul'tetskoy u gospital'noy terapii (zav. - prof. A. A. Oks) Odesskogo meditsinskogo instituta (dir. - zasluzhennyy deyatel' nauki prof. I. Ya. Deyneka)

(IODINE_ISOTOPES) (THYROID GLAND_DISEASES)

DEMIDAS, V.V. (Odessa, V-47,ul.Pastera,d.ll,kv.9); RUBAN, S.I.

X-ray diagnosis of the perforation of a hydatid cyst of the lungs.
Klin.khir. no.7:15-21 Jl '62. (MIRA 15:9)

1. Kafedra obshchey khirurgii (zav. - prof. I.Ya.Deyneka)
pediatricheskogo i stonatologicheskogo fakul'teta i kafedra rentgenologii i radiologii (nav. - prof. Ye.D.Dubovyy) Odesskogo meditsinskogo instituta.

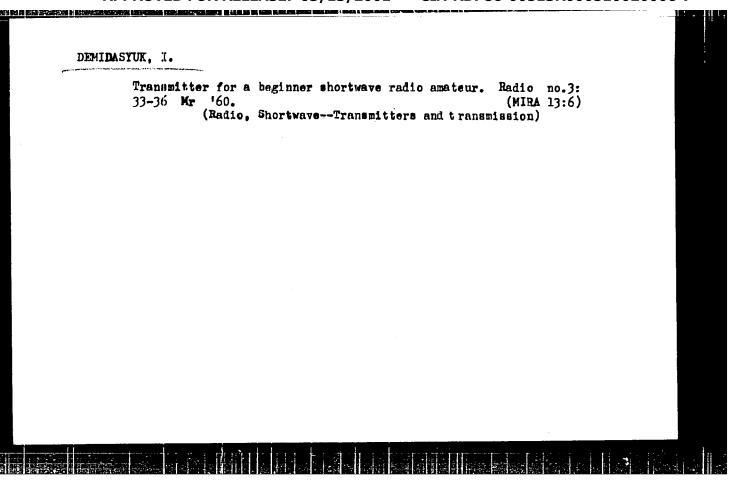
(LUNCS-HYDATIDS) (DIAGNOSIS, RADIOSCOPIC)

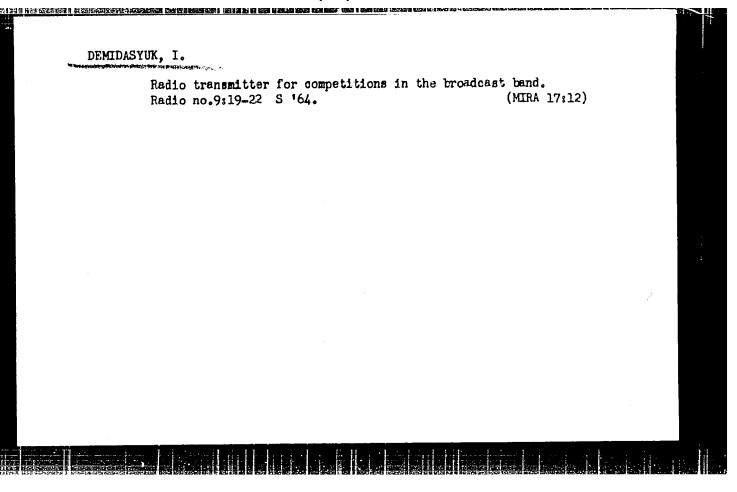
Tempet, V.V.; Voltomero, T.V.

This radiotherapy following surgical treatment of thyrotoxicosis.
Sed. rad. 10 no.7:41-46 Jl '65. (MEA 18:9)

1. Asfedra mentgenologii i radiologii (sav. - prof. Ye.D.Dubovyy)

idesakogo meditalnakogo instituta imeni N.I.Pirogova.





DEMIDCHIX, V.P.; LOSKUTOV, V.V.; CHEDIYA, O.K.

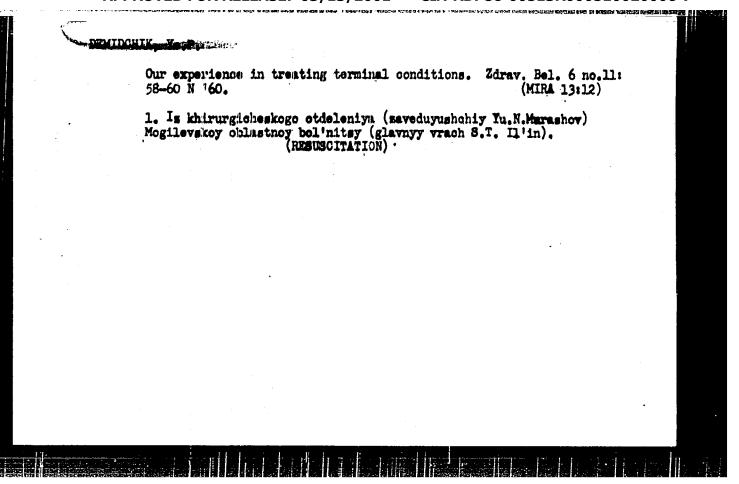
Time of the formations of the Yashil'-Kul' Lake in the Pamirs.
Sbor. trud. Tadzh. fil. Geog. ob-va SSSR no.2:9-18 '61.

(Yashil'-Kul' Lake)

MURASHOV, YIL. II DENIDCHIK, Ye.P.

Double penetrating wound of the right heart ventricle. Zdrav. Belor. 5 no.6:68-69 Je 159. (MIRA 12:9)

1. Iz khirurgicheskogo otdeleniya Mogilevskoy oblastnoy bol'nitsy (glavnyy vrach - zasluzhennyy vrach BSSR S.T.Il'in).
(HEART-WOUNDS AND INJURIES)



GAIN, M.I.; DEMIDCHIK, Ye.P.

Prolonged intravenous thiopental and alcohol anesthesia combined with local novocaine anesthesia. Zdrav. Bel. 9 no.7: 68-70 J1*63 (MIRA 17:4)

1. Iz khirurgicheskogo otdeleniya (zav. - Yu. N. Murashov) Mogilevskoy oblastnoy bol'nitsy (glavnyy vrach - zasluzhennyy vrach RSSR S.T.II.'in).

JASINSKI, Wladyslaw; DEMIDECKI, Andrzej; GWIAZDOWSKI, Bohdan

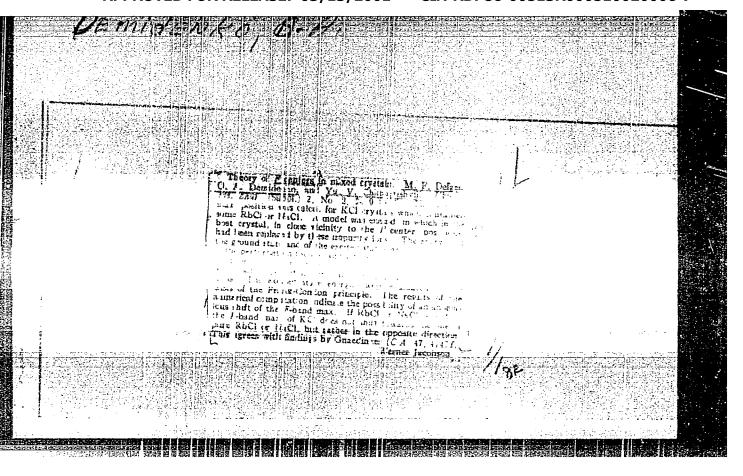
(大)的现在分词形态的 化双型设施 精 4 直 经路 数4 家庭 经股份股份 医肠神经管 医皮肤 1884 美国 1884 美国 1884 大大 1884 中国 1884 中国 1884 大大 1884 日 18

A technic of teletherapy with cobalt-60. Polski przegl. radiol. 25 no.4:363-384 '61.

1. Z Zakladu Izotopowego i Zakladu Fizyki Instytutu Onkologii w W Warszawie Dyrektor Instytutu: prof. dr. J. Iaskowski Kierownik Zakladu Izotopowego: prof. dr W. Jasinski Kierownik Zakladu Fizyki: mgr inz. J. Malesa.

(COBALT radioactive)

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000510020006-7



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DEMINDENCO, A.A. [Demidenko, O.A.]; IEMIDENCO, Z.A. [Demidenko, Z.O.];

TOLPYGO, K.B. [Tolpyho, K.B.]

Heat capacity and natural frequencies and amplitudes of KBr.

Ukr. fiz. shur. 3 no.6:728-742 N-D '58. (MIRA 12:6)

1. Institut fiziki AN USSR.

(Potassium, bromide crystals—Vibration)

(Heat capacity),
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DEMIDENKO, A"A.

Microtheory of the Frenkel exciton with and without allowing for lagging. Fiz.tver.tela 3 no.4:1195-1210 Ap '61. (MIRA 14:4)

1. Institut fiziki AN USSR, Kiyev.
(Excitons) (Crystal lattices)

8/181/63/005/002/016/051 B104/B186

where

$$V'(r, a, R) = -\frac{a}{mn} \sum_{n} (\int_{-n}^{n} \lambda(R_{nn})),$$

$$V''(a, R) = \frac{a}{2mn} \sum_{n} S_{n} A^{n}(R_{nn});$$
(2)

V(r,R) is the potential energy of the Coulomb interaction of the crystal particles. $J_{n\alpha}$ is the total momentum operator of the electrons of the molecule $n\alpha$, S_{cl} is the number of α -type molecules, $A(r_{i})$ is the vector molecule $n\alpha$, S_{cl} is the number of α -type molecules, $A(r_{i})$ is the vector potential, and $R_{n\alpha}$ describes the small displacements of the molecules from their equilibrium positions. If the energy of the outgoing photo-exciton is considerably greater than the energy of the phonons, then the only terms is considerably greater than the energy of the following: terms of the from (4) to contribute to the scattering are the following: terms of the type β^2 (the phonon operator); terms of the type β^2 ; and terms of the type α^2 . These terms, resulting from extensive calculations, are used to derive an expression for the probability of a photo-exciton being to derive an expression for the probability of a photo-exciton being

Theory of soattering of ... 3/101/63/005/002/016/05:

scattered with emission (absorption) of an document phonon. The result shows that scattering from acceptic phonons bearings at low temperatures.

ASSOCIATION: Institut poluprovolation AS CREEN, Eiger (Institute of Semiconductors AS Unrash, Eiger)

SUBMITTED: Acquet 20, 1962

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DEMIDENKO, A.A.

Calculating the probability of photoexciton scattering on photons. Piz. tver. tela 5 no.10:2835-2846 0 '63. (MIRA 16:11)

1. Institut poluprovodnikov AN UkrSSR, Kiyev.

YAKOVLEV, L.G.; GRISHUMIK, G.D., inzh., retsenzent; DEMIDENKO, A.A., inzh., red.

[Level indicators; their design and use] Urovnemery; konstruktsii, raschet, primenenie. Moskva, Izd-vo "Mashinostroenie," 1964.
190 p. (MIRA 17:8)

L 6702-65 MIA(h)/EMT(1)/FEG(k)-2/K/T/EBG(b)-2/EMP(k)/EMA(m)-2 Pf-4/Pf-4/P1-4/P0-4 IJF(c)/RAEM(1)/ISD/AS(mp)-2/ESD(gs)/RAEM(t)/ESD(c) ACCESSION NR: AP4044952 S/0181/64/006/009/2771/2779

AUTHORS: Demidenko, A. A.; Pekar, B. I.

TITLE: Reflection and transparency coefficients of a crystal slab in the region of exciton objection of light

SOURCE: Fizika tverdogo tela, v. 6, no. 9, 1964, 2771-2779

TOPIC TAUS: light absorption, reflection coefficient, transmission coefficient, exciton absorption, cubic crystal

ABSTRACT: One of the authors (Pekar, ZhETF v. 34, 1176, 1958) studied the transparency of a plane-parallel crystal slab with allowance for the supplementary light waves arising in the slab, but was unable to calculate the absolute values of the true reflection coefficient. This has now become possible following the calculation by the second author (Demidenko, FTF v. 5, 489 and 2,835, 1963) of photon scattering by lattice vibrations in a crystal. In the present paper, the

Card 1/2

L 6702-65 ACCESSION HR: AP4044952 authors calculate theoretically the true and imaginary parts of the refractive indices of the ordinary and supplementary light waves in the crystal, in the vicinity of the exciton light absorption. The coefficients of reflection, transmission, and true absorption of light in a plane-parallel slab are calculated. The case of a cubic crystal is exumined in detail. The general formulas derived are illustrated with reveral numerical examples and are represented in the form of graphs. All the numerical calculations were made on the small "Promin" computer of the Institute of Cybernetics, AN UkrssR. art. has: 6 figures and 19 formulas. ASSOCIATION: Institut poluprovodnikov AN Ukrssk, Kiev (Institute of Semiconductors, AN DKrSSN) OO ENCL: SUBMITTED: 13Apr64 OTHER: 004 SUB CODE: OP. BS NR REF SOV: 013 2/2 Card

L 14842-65 EWT(1)/T INP(c)/AFWL/SSD/ESD(ga)

ACCESSION NA: AP4048407

S/0181/64/006/011/3321/3330

AUTHORS: Dimidenko, A. A.; Tolpy*go, K. B.

THE PROPERTY OF THE PROPERTY O

TITLE: Role of long-range forces in the scattering of electrons of a homopolar crystal by phonons of

SOURCE: Fizika tverdogo tela, v. 6, no. 11, 1964, 3321-3330

TOPIC TAGS: sillcon, dermanium, electron phonon scattering, homopolar crystal

ABSTRACT: An equiller treatment by one of the authors (Tolpy*go, FTT v. 4, 1765, 1962) is mod fied to take into account the effect of redistribution of the electron charge on the scattering of conduction electrons of a homopolar crystal by acoustic and optical phonons. Allowance for the electron redistribution is particularly important in the case of intervalley scattering, where the phonon wavelength is too short to be treated by the macroscopic electron-

Card 1/3

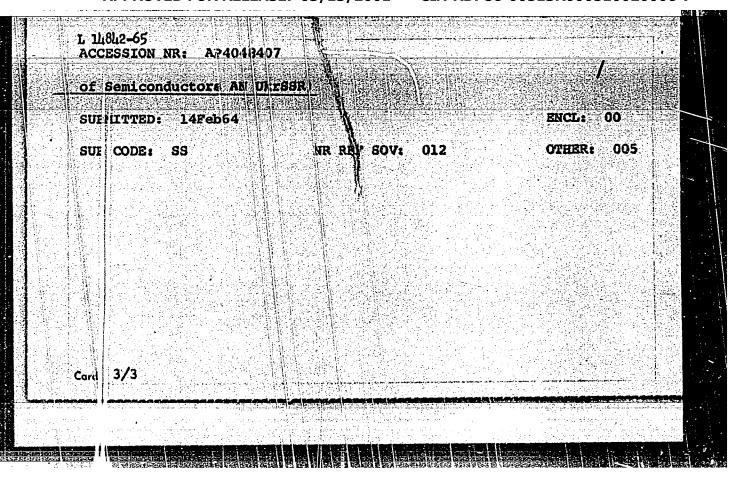
L 14842-65 ACCESSION NR: AP4048407

phonon interaction theory, and both homogeneous and inhomogeneous deformation of the lattice must be taken into account. The mobility in Ge and Si is calculated with allowance for the effective-mass anisotropy under the assumption that there is no other scattering mechanism. The calculated mobility is found to be several times larger than the observed value and to vary with the temperature like T-1.64 and T-1.56. The value of the intervalley scattering is estimated for the interaction with the dipole moments of the short-wave phonons, and the deformation potential is estimated. It is concluded that although the polarization of the atoms and the resultant interaction between the carriers and the phonons is not the dominating factor, it does have a strong effect on the scattering, and plays the same role in silicon as the potential of uniform deformation. Orig. art. has: 36 formulas and 4 tables.

ASSOCIATION: Institut poluprovodnikov AN Ukrssk, Kiev (Institute

Card 2/3

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000510020006-7



L 2:2123-66 EWT(1)/T/EWA(h)IJP(c) SOURCE CODE: UR/0056/66/050/001/0124/0130 AP6004929 ACC NR: AUTHOR: Demidenko, A. A.; Pekar, S. I.; Piskovoy, V. N.; Tsekvava, B. Ye. ORG: Institute of Semiconductors, Academy of Sciences, Ukrainian SSR (Institut poluprovodnikov Akademii nauk Ukraimskoy SSR) TITLE: Current-voltage characteristic of a semiconductor with an electron-phonon coupling proportional to the applied field SOURCE: Zhurnal eksperimental noy i teoreticheskoy fiziki, v. 50, no. 1, 1966, 124-330 TOPIC TAGS: volt ampere characteristic, phonon interaction, electron interaction, semiconductor conductivity, dielectric constant, ultrasonic wave, kinetic equation, current carrier, electric field ABSTRACT: This is a continuation of earlier work by one of the authors (Pekar, ZhETF v. 49, 621, 1965), where an electron-phonon coupling was introduced, arising in an applied electric field as a result of the dependence of the dielectric constant on the deformation of the medium. In the earlier article this interaction was treated in connection with the amplification and generation of ultrasonic waves in a crystal. In the present paper it is treated as a carrier-scattering mechanism, and is used together with the deformation potential and other scattering mechanisms Card 1/2

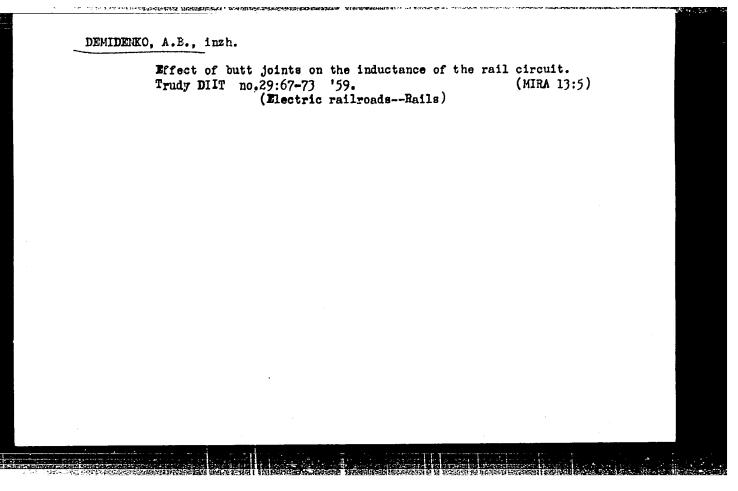
L 22128-66

ACC NR: AP6004929

to calculate the carrier mobility. This new interaction is also used to solve the kinetic equation. It is shown that the conventional scattering mechanisms predominate in external fields, and give rise to Ohm's law, but in crystals with a very large dielectric constant the electron-phonon coupling becomes predominant and this explains why the current in the semiconductor passes through a maximum with increasing field and then decreases. Numerical calculations are presented for the case when the dielectric constant is of the order of 2500 and 20,000, where the maximum of the field occurs at approximately 10⁵ v/cm. The limitations inherent in this method are briefly discussed. Orig. art. has: 1 figure and 24 formulas.

SUB CODE: 20/ SUBM DATE: 12Jun65/ ORIG REF: 004/ OTH REF: 002

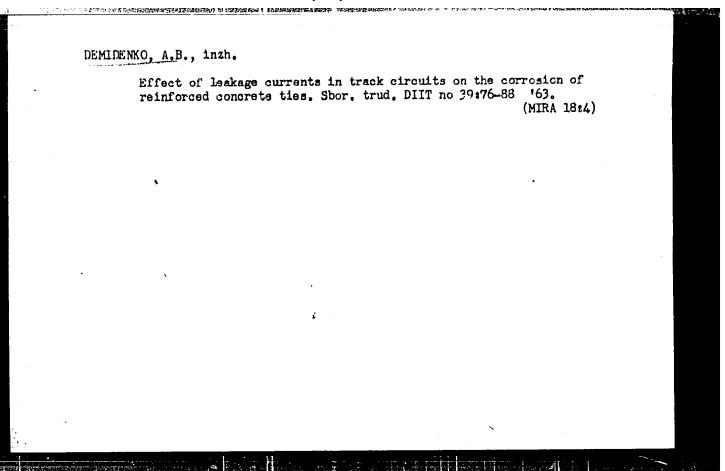
Card 2/2 BK



FRISHMAN, M.A., prof. (Drepropetrovsk); DEMIDENKO, A.B., inzh. (Drepropetrovsk)

Corrosion of the reinforcemen' and strength of ties. Put'i put'khoz.
8 no.8:8-10 '64.

(MIRA 17:9)



SHAMIS, D.L.; BAYAKHUNOV, Ya.K.: POPENKO, M.K.; IL'INA, K.A.; DEHIDENKO, A.F.

Role of micro-organisms in raising the nutritive value of
millet. Trudy Inst. mikrobiol. i virus. AM Kazakh. SSR 7:
16-21 *63 (MIRA 16:12)

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CONTRACTOR | DESCRIPTION | DESCRIPTION OF ACC NRI AP6017975 SOURCE CODE: UR/0413/66/000/010/0079/0079 INVENTORS: Youal'yov, V. D.; Domidenko, A. G. ORG: none TITLE: A method for obtaining granular polymers. Class 39, No. 181807 Cannounced by Ukrainian Scientific Research Institute of Plastics (Ukrainskiy nauchnoissledovatel'skiy institut plasticheskikh mass) SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 79 TOPIC TAGS: polymer, polycondensation, plastic, formaldehyde, phenol, alumosilicate, silica gel ABSTRACT: This Author Certificate presents a method for obtaining granular polymers. The method involves suspensional polycondensation of one or several mixed polar substances that enter the polycondensation reaction and form oil-insoluble products, such as phenolsulfo acids and formaldehyde, in a nonpolar dispersing medium. To strengthen the stability of the emulsion, structuring substances are added to the dispersing medium. These substances possess hydrophylic-hydrophobic properties or are capable of assuming hydrophylic-hydrophobic properties due to an addition of hydrophobilizing or hydrophylizing addenda, for instance alumosilicates, silica gel or organic salts of heavy metals. SUB CODE: 11/ SUBM DATE: 14Jan63 07

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APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000510020006-7"

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L 34855-65 ENT(m)/EPF(a)/ENP(j) Pc-4/Pr-4 RM 8/0286/65/000/006/0036/0036 ACCESSION NR: AP5008533 AUTHOR: Demidenko, A. G.; Mironenko, N. I. TITLE: A grease for protecting the interior surface of a reaction vessel for block polystyrene and copolymers based on block polystyrene. Class 23, No. 169163 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6, 1965, 36 TOPIC TAGS: grease, protective coating ABSTRACT: This Author's Certificate introduces a grease for protecting the interior surface of a reaction vessel for block polystyrene and copolymers based on block polystyrene. A wider selection is provided and the adhesion properties of the grease are improved by adding calcium, zinc or magnesium stearate and butyl stearate. ASSOCIATION: none • ENCL: 00 SUB CODE: FP SUBMITTED: 19Jan63 OTHER: 000 NO REF SOV: 000 Card 1/1

L 44588-66 EWT(m)/EWP(j)/T IJP(c) RM SOURCE CODE: UR/0413/66/000/009/0074/0074 ACC NR: AP6015664 (A) INVENTOR: Demidenko, A. G.; Mironenko, N. I. ORG: none TITLE: Method of obtaining low-molecular vinyl polymers. Class 39, No. 181284 [announced by Ukrainian Scientific Research Institute of Plastics (Ukrainskiy nauchno issledovatel' skiy institut plasticheskikh mass)] SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, TOPIC TAGS: polymer, vinyl polymer, monomer, vinyl monomer, polymerization catalyst ABSTRACT: An Author Certificate has been issued for a method of obtaining lowmolecular vinyl polymers by bulk polymerization of vinyl monomers during heating in the presence of an aluminosilicate catalyst. To increase the polymer yield, a sodium mold of montmorillonite clays, treated in a water medium by the interaction UDC: 678, 74, 044 Card 1/2

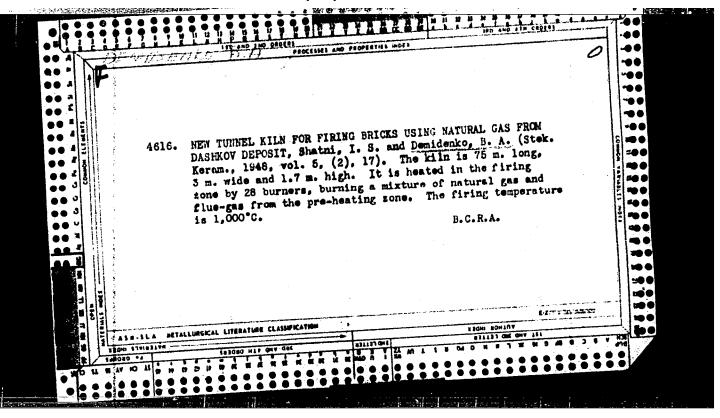
| ACC NR: AP6015664 | | 0 | | | | |
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| of organohalosilanes or halosilanes with an excess of methyl or ethyl alcohoused as the aluminosilicate catalyst. [Translation] | | | | | | |
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| TO 0853C-67 EWT(m)/EWP(j) RM SOURCE CODE: UR/0413/66/000/019/0018/0018 | |
| INVENTOR: Demidenko, A. G.; Mironenko, N. I. | |
| ORG: none | |
| TITLE: Montmorillonite clay-based catalyst. Class 12, No. 186394 [announced by Ukrainian Scientific Research Institute of Plastics (Ukrainskiy nauchno-issledovatel skiy institut plastmass)] | |
| SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 18 | |
| TOPIC TAGS: munitimental tonthe clay, polymerization catalylic vinyl compound | |
| ABSTRACT: An Author Certificate has been issued for a method of preparing, selective and highly reactive montmorillonite clay-based catalysts for the polymerization of vinyl compounds. The method involves treatment of sodium montmorillonite clays with the reaction product of an organohalosilane or halosilane [both unspecified] with an excess of methyl or ethyl alcohol. The clay and the silane can be used in a 10/1 to 1/10 ratio. | |
| SUB CODE: 11, 07/ SUBM DATE: 04Jun65/ ATD PRESS: 5103 | |
| Card 1/1 -0 -/- UDC: 66.095.264.3 | |
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DEMIDENKO, B. A.

Derid, T. P. and Demidenko. B. A. Selection of Refractories for Vogres Steam Boilers Fired With Coal Dust. Ogneupory, 8 (8-9) 431-36 (1940).--Refractory linings of Vogres steam boilers must possess high thermal stability, high resistance to slag, and resistance to the effects of flying ashes and gases. Refractories with a high grog contentand kaolin products were found most suitable.

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DEMIDENKO, B.G., kand. sel'skokhozyaystvennykh nauk

Biology of blooming and the development of sorgo hybrids. Dokl. Akad. sel'khoz. 24 no.5:21-25 '59. (MIRA 12:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kukuruzy. Predstavleno akademikom N.A. Maysuryanom.

(Sorghum)

DEMODERKO, B.G., kand.sel'skokhoz, nauk

Work results on the hybridization of sorgo. Agrobiologiia no. 3:409-418 My-Je 164. (MIRA 17:7)

! Vsesoyuznyy nauchno-issledovatel'skiy institut kukuruzy, !nepropetrovsk.

Analytic determination of the wear of elements of a brake pair.

Avt. prom. 29 no.5:15-18 My '63. (MIRA 16:4)

l. Armavirskaya avtomobil'naya shkola.

CONTROL OF THE SECOND S

(Automobiles-Brakes)

| DEMIDENKO, D. I. | | PA 167T58 | • |
|------------------|--|--|---|
| 167 <u>1</u> 58 | USSR/Medicine - Paratyphoid (Contd) Feb. 50 were found in the calves. System is used in plan of antiepizootic measures for all farms served by author's group. | Paratyphoid," D. I. Demidenko, Dr Vet Med Paratyphoid," D. I. Demidenko, Dr Vet Med "Veterinariya" No 2, p 25 Discusses tests conducted in 1946 using three- step vaccination by formol vaccine starting when cow is in seventh month of calving. First dose is 6-8 ml; second (2 weeks later) is 10-12 ml; and third (after 2 more weeks) is 13-15 ml. In tests on 630 cows, no cases of paratyphoid | USSR/Medicine - Paratyphoid Immunization |

DEMIDENCO, C.B.

PROUTERITIES of perennial grass cultivation in Orlov Province.

Zemledelie 6 no.3:42-47 Mr '58. (MIRA 11:4)

1. Kuybyshevskiy sel'skokhosyaystvennyy institut.

(Volga Valley-Wheat)

DEMIDENKO, Grigoriy Borisovich; SLEPTSOVA, K., red.; SAPELOVSKIY, A., red.; MEMITOV, V., tekhn.red.

[Forage crops of Orlov Province] Kormovye kul'tury v Orlovskoi oblasti. Orel, Orlovskoe knishnoe isd-vo, 1960. 161 p.

(MIRA 14:3)

(Orlov Province--Forage plants)

DEMIDENKO O.I.

Valve equipped feeding bottle for calves. Veterinariia 34 no.2: 69 F '57. (MIRA 10:11)

1. Starshiy veterinarnyy vrach Upravleniya veterinarii Ministerstva sel'skogo khozyaystva Moldavskoy SSR.

(Calves--Feeding and feeding stuffs)

KALASHNIKOV, N.P., vetvrach; DEMIDENKO, G.I., vetvrach

Experience in improving veterinary hygiene on the farm. Veterinariia 36 no.3:60-62 Mr 159. (MIRA 12:4)

1. Plemennoy sovkhoz "Borskaya ferma," Gor'kovskoy oblasti (for Kalashnikov). 2. Veterinarnaya inspektsiya Ministerstva sel'skogo khozyzystva Moldavskoy SSR (for Demidenko).

(Veterinary hygiene)

| | Investigation of saturated molasses of sugar factories. Sakh. prom. 35 no.12:31-33 D '61. (MIRA 15:1) | | | | | |
|--|---|------------|-----------|--|---|---|
| | 1. Krasnodarskiy nauchno-issledovatel'skiy institut polimerizat- | | | | | |
| | sionnykh plastmass. | (Molasses/ | Analysis) | | | |
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DEMIDENIO, I., inchesor.

Charts for testing airplane engines. Grashd. av.13 no.3:24-25 Mr.
156. (Airplanes-Engines-Testing)

(MIRA 9:7)

ACCESSION NR: AP4041684

8/0153/64/007/002/0307/0312

AUTHOR: Kolobenin, V. N.; Utlenko, Ye. V.; Demidenko, I. A.; Blokh, G. A.

TITIE: The use of carbon black in cable resins.

SOURCE: Ivuz. Khimiya i khimicheskaya tekhnologiya, v. 7, no. 2, 1964, 307-312

TOPIC TAGS: carbon black, cable resin, filler, thermal aging resistance, channel black, lamp black, furnace black, thermal black, thermal oxidation, tensile strength, elongation, physical mechanical property, insulating type resin, electrical insulating property, volatility, stability

ABSTRACT: A study was made of the effect of different types of carbon blacks and their combinations on the thermal aging resistance of hose and cable resins. Lamp, channel, furnace and thermal carbon blacks and combinations of 60 parts lamp, furnace or thermal black with 40 parts channel black were tested in a recipe ShVP-50 (in \$: NK-35.0; SKRM-50R-15; S-1.0; Captax-0.35; ZnO-2.5; furnace black-21.95; channel black-14.70; stearin-2.5; Neozone "D"-0.5, rosin-1.5; paraffin-5.0). Vulcanization was at 143C; resistance to thermal oxidation at 85, 100 and 110C was

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